

Title (en)
A PLATE HEAT EXCHANGER

Title (de)
PLATTENWÄRMETAUSCHER

Title (fr)
ECHANGEUR DE CHALEUR A PLAQUES

Publication
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Application
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Abstract (en)
[origin: WO9419657A1] The present invention refers to a plate heat exchanger for heat transfer between two fluids, comprising several thin heat transfer plates (1) abutting towards each other and between the heat transfer plates (1) arranged sealing members (6), which in alternate plate interspace delimit a flow space for a first fluid and in the remaining plate interspaces delimit flow spaces for a second fluid, each heat transfer plate (1) having a pressed corrugation pattern, which has two distribution portions (7, 8) and, arranged between these, a main heat transfer portion (9), which is divided in several areas (10a, 10b) with parallel ridges and valleys, and the plate heat exchanger having inlets and outlets for said fluids, arranged such that the fluids will have a flow direction between the heat transfer plates (1) essentially from one to the other of the distribution portions (7, 8) at each heat transfer plate. According to the invention the heat transfer portion (9) of each heat transfer plate (1) comprises a row with at least three areas (10a, 10b) located after each other in said flow direction and an even number of such rows are arranged next to each other across the flow direction, by which the parallel ridges and valleys of each pair of adjacent areas (10a, 10b) extend in such a way that they form mirror images of each other with reference to an imaginary line between respective areas (10a, 10b).

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